

Abstract

Semiconductor Circuit With A Protective Circuit

A semiconductor circuit in a semiconductor substrate includes a first input for feeding a first supply potential, a second input for feeding a second supply potential higher than the first supply potential, a device, an output and a parasitic pn-junction between the device and the semiconductor substrate, which is conductive at a first polarizing potential at the output smaller than the first supply potential or at a second polarizing potential at the output greater than the second supply potential. A protective circuit whose electric resistance at the first polarizing potential at the output and at the second polarizing potential at the output, respectively, is higher than at a normal operation potential at the output lying between the first supply potential and the second supply potential is connected between the output and the parasitic pn-junction.